MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

NOVEMBER, 1939

J. A. BROWN, DIRECTOR

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NOVEMBER 1939
METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	58.8	59.1	60.6	59.5	24.6	19.3	21.9	23.4	21.1	22.1
2	62.4	62.3	2.8	62.5	24.1	18.4	21.4	24.1	21.7	22.4
3	4.9	4.9	5.5	5.1	24.2	20.3	22.1	23.1	19.8	21.7
4	5.5	4.7	4.5	4.9	24.3	17.3	21.9	22.3	19.0	21.1
5	3.9	2.6	2.6	3.0	24.3	17.3	22.3	22.7	19 3	21.4
6	61.9	60.2	61.2	61.1	24.4	17.5	23.0	22.8	19.5	21.8
7	0.7	59.0	59.1	59.6	24.2	18.3	21.7	22.6	19.1	21.1
8	59.1	8.0	8.1	8.4	25.0	18.8	23.3	24.2	21.1	22.9
9	6.0	4.3	6.5	5.6	25.8	18.9	22.1	24.4	19.0	21.8
10	6.2	5.5	6.2	6.0	22.5	15.8	20.8	20.8	16.2	19.3
11	56.8	57.4	60.7	58.3	20.9	15.8	18.6	18.3	18.2	18.4
12	61.7	61.6	3.1	62.1	21.7	15.6	18.6	21.1	18.3	19.3
13	5.7	5.5	6.3	5.8	22.5	17.9	20.8	21.4	19.5	21.2
14	7.2	5.8	5.2	6.6	22.9	17.8	21.1	22.1	19.7	21.0
15	4.7	2.0	1.9	2.9	23.4	18.1	21.1	22.1	21.1	21.4
16	62.4	61.3	61.9	61.9	23.1	18.1	21.3	22.1	19.5	21.0
17	2.3	1.6	2.2	2.0	23.3	18.1	19.7	22.7	19.6	20.7
18	0.1	57.9	57.6	58.5	23.2	17.8	19.7	21.5	20.5	20.9
19	54.8	4.9	5.1	4.9	20.3	12.2	17.6	17.7	13.3	16.2
20	7.0	9.8	61.6	9.5	19.2	11.6	16.0	18.8	16.1	17.0
21	64.2	63.4	63.6	63.7	21.8	15.8	19.1	19.5	17.7	18.8
22	4.0	3.2	4.1	3.8	20.8	14.7	18.0	20.4	16.9	18.4
23	3.8	3.2	3.5	3.5	21.2	16.0	19.5	21.1	15.5	18.7
24	3.9	3.0	3.0	3.3	21.8	14.8	18.6	19.1	15.9	17.9
25	1.5	58.3	58.2	59.3	21.2	15.5	17.8	20.1	19.4	19.1
26	58.3	57.4	56.9	57.5	19.2	11.8	14.9	18.4	18.3	17.2
27	6.4	8.1	7.8	7.4	18.8	13.5	18.2	13.8	13.8	15.8
28	61.4	61.6	63.4	62.1	18.7	11.5	14.1	17.2	15.1	15.5
29	5.1	5.4	6.5	5.3	18.8	10.6	17.1	18.3	16.1	17.2
30	7.6	5.7	5.9	6.4	19.5	13.5	16.3	19.2	18.3	17.9
	761 61	760.92	761.52	761.35	22.16	16.00	19.62	20.84	18.25	19.64

Barometer, range for month 754.3 mm.—767.6 mm.
„ 62-yr. average for month 762.79 mm.
Thermometer, range for month 10.6° C.—25 8° C.
„ 62-yr. average for month 19.85° C.
Rain, total for month 181.18 mm.
„ , 62-yr. average for month 127.51 mm.
„ , total, from Sept. 1st 181.43 mm.
62-yr. average, total from Sept. 1st 183.39 mm.

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Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	11.9	11.3	10.7	11.3	61	53	57	57	6.8	314.0	1.78
2	12.2	11.2	10.8	11.4	65	50	55	57	5.9	195.5	0.76
3	9.8	11.2	10 5	10.5	50	53	61	55	10.1	186.4	
4	10.0	11.3	11.2	10.8	51	56	64	57	10.1	276.8	
5	10.9	11.5	12.1	11.6	54	58	73	62	9.9	247.8	
6	11.2	12.7	11.0	11.6	53	62	66	60	8.0	170.4	
7	9.6	10.0	10.8	10.1	49	49	65	54	6.2	210.0	
8	11.7	11.4	9.6	10.9	56	50	52	53	9.9	209.2	
9	11.2	9.1	10.9	10.4	57	39	67	54	3.1	168.4	
10	10.7	13.6	12.2	12.2	59	75	92	75	7.8	181.6	7.57
11	13.8	8.3	14.5	12.2	87	86	94	89	4.6	180.0	55.89
12	14.1	13.8	12.9	13.6	89	73	83	82	7.4	135.8	20.32
13	12.7	12.8	13.8	13.1	70	67	82	73	9.5	132.5	
14	12.7	13.2	14.3	13.4	69	66	84	73	9.9	278.5	
15	11.4	13.6	15.0	13.3	61	69	80	70	9.9	215.9	
16	9.5	13.0	13.8	12.1	50	66	82	66	9.2	174.4	
17	12.5	12.8	14.1	13.1	73	63	84	73	6.2	119.2	0.10
18	11.7	12.7	11.2	11.9	68	66	62	65	2.2	530.4	
19	11.8	12.6	9.9	11.4	79	85	87	84	7.7	790.0	30.48
20	8.6	8.7	8.8	8.7	64	54	64	61	7.4	210.4	6.09
21	10.0	11.3	9.9	10.4	61	67	65	64	9.5	152.0	
22	10.2	10.6	10.6	10.5	66	59	75	67	9.4	279.8	
23	10.9	11.9	12.4	11.4	65	64	95	75	9.4	108.9	
24	11.7	11.8	11.2	11.6	74	72	83	76	4.4	150.6	1.50
25	11.9	12.2	13.1	12.4	78	70	78	75	6.0	112.4	23.37
26	10.7	11.3	12.9	11.6	84	73	83	80	5.4	408.5	19.56
27	9.2	9.9	8.4	9.2	59	84	71	68	3.5	560.0	11.68
28	8.1	9.0	8.9	8.7	67	63	71	67	0.4	266.6	1.78
29	9.0	10.5	9.4	9.6	63	67	69	66	5.5	191.2	
30	8.9	8.3	10.0	9.1	65	50	64	60	4.1	225.0	
	10.95	11.40	11.50	11.27	64.9	63.6	73.6	67.3	6.89	245.74	6.039

Height of Barometer above sea level: 33.7 meters.
" " Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
62 year averages are for period, 1875-1936

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	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	3cu	3cu	3cu	3.0	3nw	3w	3w	rough	
2	10cuni	4cu	3cu	5.6	1s	3s	2w	mod.	
3	0	0	0	0.0	1se	2n	2n	calm	
4	0	0	0	0.0	1se	2s	2w	,,	
5	0	0	0	0.0	2e	2nw	2w	slight	
6	4cu	2cu	1cu	2.3	1sw	2w	2w	slight	
7	0	10st	4cu	4.6	2n	3nw	2w	,,	
8	1st	0	0	0.3	4ne	3n	1n	,,	
9	6st	10cu	10ni	8.6	1s	1se	0	mod.	
10	7cu	1cu	8cu	5.3	2sw	2sw	3sw	,,	
11	4cu	10ni	10ni	8.0	2se	1se	2se	mod.	
12	9cu	1cu	2cu	4.0	0	1ne	2ne	calm	
13	0	1cu	0	0.3	1s	1n	1n	,,	
14	0	0	0	0.0	1s	3w	2w	,,	
15	0	0	0	0.0	3e	3n	4n	,,	
16	0	0	1cu	0.3	0	2n	2n	slight	
17	6cu	10cust	1cu	5.6	1se	1se	2se	calm	
18	10cu	9cu	3cu	7.3	1s	3ne	5ne	,,	
19	10ni	10ni	10ni	10.0	6sw	5sw	6sw	rough	th. storm at night
20	10ni	7cu	5cu	7.3	3w	2w	2w	,,	first snow on mts.
21	0	0	0	0.0	2ne	2n	2n	mod.	
22	0	0	0	0.0	1s	3s	3s	slight	
23	0	5cu	9cu	4.6	0	1w	2w	,,	
24	7cu	1cu	4cu	4.0	2se	2s	2s	,,	
25	8cu	1cu	10ni	6.3	0	2nw	2s	,,	
26	2st	8cu	10ni	6.6	2s	4sw	5w	slight	
27	7ni	10cu	10ni	9.0	5w	4sw	4w	rough	
28	10cu	10cu	3cu	7.6	2ne	3n	2n	,,	
29	0	10stcu	1cu	3.7	2s	1nw	2w	slight	
30	9st	0	10cu	6.3	2se	2n	2n	calm	
					54	69	73		
				4.02	1.8	2.3	2.4		
					5	7	7		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	1	3	2	6	8	3	2	1	4	30
14:30	8	2	0	3	4	4	5	4	0	30
20:30	8	2	0	2	3	2	12	0	1	30
Totals	17	7	2	11	15	9	19	5	5	90

Number of days with rain 13, fog 0, thunderstorms 1, gale 0.

62-yr. average number of days with rain during month 9.3